

**IN THE CLAIMS**

Please amend the claims as follows.

1. (Currently Amended) A pointing device for controlling a pointer displayed on a display screen, comprising:
  - a ring;
  - a sensor unit comprising a plurality of sensors in a substantially circular pattern, wherein the sensor unit is mounted on the ring, and wherein each of the plurality of sensors can be activated for positioning the pointer on the display screen; and
  - a controller adapted to create position information based on activation of one or more of the plurality of sensors ~~is activated~~.
2. (Original) The pointing device of claim 1, wherein the ring is of a size that is capable of being worn on a human digit.
3. (Original) The pointing device of claim 1, further comprising:
  - at least one selection button mounted on the ring.
4. (Original) The pointing device of claim 1, wherein the at least one selection button is capable of being operated by a human thumb.
5. (Original) The pointing device of claim 1, wherein the sensor unit is capable of being operated by a human thumb.
6. (Previously Presented) The pointing device of claim 1, further comprising:
  - a transmitter mounted to the ring, wherein the transmitter is coupled to the controller, and wherein the controller is coupled to the sensor unit, and wherein the controller is to translate a signal from the sensor unit to the position information, and wherein the transmitter is to transmit the position information.

7. (Previously Presented) The pointing device of claim 6, wherein the movement information contains relative position information regarding the pointer displayed on the display screen.
8. (Original) The pointing device of claim 1, wherein the plurality of sensors comprises pressure sensors.
9. (Original) The pointing device of claim 1, wherein the plurality of sensors comprises rocker switches.
10. (Original) The pointing device of claim 1, wherein the plurality of sensors comprises capacitance proximity sensors.
11. (Original) The pointing device of claim 1, wherein the plurality of sensors comprises inductive proximity sensors.
12. (Original) The pointing device of claim 6, wherein the transmitter comprises an infrared transmitter to transmit light pulses encoding the movement information.
13. (Previously Presented) A method for moving a pointer on a display, comprising:  
detecting activation of one of a plurality of sensors arranged in a substantially circular pattern on a sensor unit, wherein the sensor unit is mounted on a ring, and wherein each of the plurality of sensors can be activated for moving the pointer on the display; and  
creating position information for the pointer based on which one of the plurality of sensors was activated.
14. (Original) The method of claim 13, wherein the ring is of a size capable of being worn on a human finger.

15. (Original) The method of claim 13, wherein the sensor unit is capable of being operated by a human thumb.

16. (Original) The method of claim 13, further comprising:  
transmitting the position information.

17. (Original) The method of claim 13, wherein the position information contains relative position information regarding the pointer on the display.

18. (Previously Presented) A computer system, comprising:  
a receiver; and  
a pointing device, comprising,  
    a ring;  
    a sensor unit mounted to the ring, wherein the sensor unit comprises a plurality of sensors in a substantially circular pattern, and wherein each of the plurality of sensors receives input for moving a pointer on a display screen;  
    a controller mounted on the ring, wherein the controller is coupled to the sensor unit; and  
    a transmitter mounted to the ring, wherein the transmitter is coupled to the controller, and wherein the controller is to translate a signal from the sensor unit into movement information, and wherein the transmitter is to transmit the movement information to the receiver.

19. (Original) The computer system of claim 18, wherein the ring is of a size that is capable of being worn on a human finger.

20. (Original) The computer system of claim 18, further comprising:  
at least one selection button mounted on the ring.

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21. (Previously Presented) The computer system of claim 18, wherein the movement information contains relative position information regarding the pointer on the display.
22. (Original) The computer system of claim 18, wherein the plurality of sensors comprises pressure sensors.
23. (Original) The computer system of claim 18, wherein the plurality of sensors comprises rocker switches.
24. (Original) The computer system of claim 18, wherein the plurality of sensors comprises capacitance proximity sensors.
25. (Original) The computer system of claim 18, wherein the plurality of sensors comprises inductive proximity sensors.
26. (Original) The computer system of claim 18, wherein the transmitter comprises an infrared transmitter that transmits light pulses containing the movement information.
27. (Previously Presented) A program product comprising signal-bearing media bearing instructions, which when read and executed by a processor perform operations comprising:  
detecting activation of one of a plurality of sensors arranged in a substantially circular pattern on a sensor unit, wherein the sensor unit is mounted on a ring, and wherein each of the plurality of sensors receives input for moving a pointer on a display screen; and  
creating position information for the pointer on the display screen based on which one of the plurality of sensors was activated.
28. (Original) The program product of claim 27, wherein the ring is of a size capable of being worn on a human finger.
29. (Original) The program product of claim 27, further comprising:

**AMENDMENT UNDER 37 C.F.R. 1.116 – EXPEDITED PROCEDURE**

Serial Number: 09/722,996

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Title: RING POINTING DEVICE

Assignee: Intel Corporation

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transmitting the position information from an infrared transmitter.

30. (Original) The program product of claim 27, wherein the position information contains relative position information regarding the pointer on the display.